

Exhibit 13.1  
Docket 3720-WR-107  
Witness: Michael Gorman  
April 23, 2010  
Schedule 1  
Page 1 of 2

## Milwaukee Water Works

### Docket 3720-WR-107

### Distribution vs. Transmission Mains

<u>Line</u>	<u>Description</u>	<u>End of Year Total Feet (1)</u>	<u>Percent Of Total (2)</u>
	<u>Total Utility</u>		
	<b>Distribution Mains</b>		
1	Small (6 Inches and Below)	2,828,952	33.1%
2	Large (8 Inches to 16 Inches)	<u>5,717,452</u>	66.9%
3	Total Distribution Mains	8,546,404	100.0%
4	<b>Total Distribution Mains</b>	<b>8,546,404</b>	<b>82.3%</b>
5	<b>Total Transmission Mains</b>	<b>1,837,296</b>	<b>17.7%</b>
6	<b>Total Mains</b>	<b>10,383,700</b>	<b>100.0%</b>

Source:

Milwaukee Water Works, Annual Report for Year End  
December 31, 2008, Page W-19.

## Milwaukee Water Works Docket 3720-WR-107

### Distribution vs. Transmission Mains

<u>Line</u>	<u>Description</u>	<u>Number of Entries (1)</u>	<u>End of Year Total Feet (2)</u>	<u>Percent Of Total (3)</u>
<u>Within Municipality</u>				
<b>Distribution Mains</b>				
1	6 Inches and Below	5	2,731,101	29.9%
2	8 Inches to 12 Inches	<u>4</u>	<u>4,814,101</u>	<u>52.7%</u>
3	<b>Total Distribution Mains</b>	<b>9</b>	<b>7,545,202</b>	<b>82.6%</b>
<b>Transmission Mains</b>				
4	16 Inches and Above	17	1,587,890	17.4%
5	<b>Total Mains</b>	<b>26</b>	<b>9,133,092</b>	<b>100.0%</b>
<u>Outside Municipality</u>				
<b>Distribution Mains</b>				
6	6 Inches and Below	3	97,851	7.8%
7	8 Inches to 12 Inches	<u>2</u>	<u>903,351</u>	<u>72.2%</u>
8	<b>Total Distribution Mains</b>	<b>5</b>	<b>1,001,202</b>	<b>80.1%</b>
<b>Transmission Mains</b>				
9	16 Inches and Above	11	249,406	19.9%
10	<b>Total Mains</b>	<b>16</b>	<b>1,250,608</b>	<b>100.0%</b>
<u>Total Utility</u>				
<b>Distribution Mains</b>				
11	6 Inches and Below	8	2,828,952	27.2%
12	8 Inches to 12 Inches	<u>6</u>	<u>5,717,452</u>	<u>55.1%</u>
13	<b>Total Distribution Mains</b>	<b>14</b>	<b>8,546,404</b>	<b>82.3%</b>
<b>Transmission Mains</b>				
14	16 Inches and Above	28	1,837,296	17.7%
15	<b>Total Mains</b>	<b>42</b>	<b>10,383,700</b>	<b>100.0%</b>

Source:

Milwaukee Water Works, Annual Report for Year End December 31, 2008,  
Page W-19.

**Milwaukee Water Works  
Docket 3720-WR-107**

**Small Pipe Allocation Position**

**Illinois**

- Illinois American Water Company, Illinois Commerce Commission, Docket 09-0319, IAWC Witness Paul Herbert, IAWC Ex. 9.0 at 9-10.
- Illinois Commerce Commission Staff Witness Peter Lazare, identical weaknesses in Company's cost study but did not take issue with Company's small mains allocation (ICC Staff Ex. 6.0)

**Indiana**

- Department of Water Works of the Consolidated City of Indianapolis before the Indiana Utility Regulatory Commission, Case No. 43645, Direct Testimony of Department's Witness Kerry Heid at 6.0, October 16, 2009

**Missouri**

- Missouri American Water Company before the Missouri Public Service Commission, Case No. WR-2010-0131, Company Witness Paul Herbert at 9, October 30, 2009
- Staff Witness James Russo, Staff's Cost of Service and Rate Design Report at 6.

**Milwaukee Water Works  
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**Customer Class Demand Factor Comparison**

Line	Customer Class	Previous Case Docket 3720-WR-106 <sup>1</sup>		Current Case Docket 3720-WR-107 <sup>2</sup>	
		Maximum Day Demand Extra Capacity Ratio	Maximum Hour Demand Extra Capacity Ratio	Maximum Day Demand Extra Capacity Ratio	Maximum Hour Demand Extra Capacity Ratio
		(1)	(2)	(3)	(4)
	<b>Milwaukee:</b>				
1	Residential	1.50	4.64	1.50	2.78
2	Commercial	1.20	4.50	1.20	2.17
3	Industrial	0.60	1.11	0.60	1.05
4	Public Authority	1.05	3.93	1.05	1.90
	<b>West Milwaukee:</b>				
5	Residential	1.85	5.08	1.50	2.78
6	Commercial	1.35	3.93	1.20	2.17
7	Industrial	1.00	2.59	0.60	1.05
8	Public Authority	1.25	3.93	1.05	1.90
	<b>Suburban Retail:</b>				
9	Residential	1.85	5.08	1.50	2.78
10	Commercial	1.35	3.93	1.20	2.17
11	Industrial	1.00	2.59	0.60	1.05
12	Public Authority	1.25	3.93	1.05	1.90
	<b>Wholesale:</b>				
13	West Allis	0.78	1.03	0.46	1.09
14	Wauwatosa	1.00	1.55	0.59	1.28
15	Brown Deer	1.15	2.00	0.89	1.71
16	Greendale	1.85	2.00	1.80	3.01
17	Shorewood	1.15	2.20	1.15	2.08
18	County Institutions	1.00	1.50	1.15	2.08
19	Menomonee Falls	1.00	1.50	0.64	1.35
20	Mequon	N/A	N/A	1.13	2.05
21	Butler	1.25	1.75	0.63	1.33
22	New Berlin	1.25	1.75	0.69	1.42

Sources:

<sup>1</sup> Vishwa Kashyap Cost of Service Study, Schedule 6.

<sup>2</sup> Andrew Behm and David Prochaska Cost of Service Study, Schedule 9.

## Milwaukee Water Works Docket 3720-WR-107

### Revenue Increase Summary

<u>Line</u>	<u>Description</u>	<u>Revenue At Present Rates (1)</u>	<u>Revenue At Proposed Rates (2)</u>	<u>Dollar Increase (3)</u>	<u>Percent Increase (4)</u>
1	Total Residential	\$ 27,238,697	\$ 34,818,254	\$ 7,579,557	27.8%
2	Total Commercial	15,439,556	19,506,577	4,067,021	26.3%
3	Total Industrial	5,203,192	7,184,892	1,981,700	38.1%
4	Total Public Authority	<u>3,145,631</u>	<u>4,097,843</u>	<u>952,212</u>	<u>30.3%</u>
5	<b>Retail Total</b>	<b>\$ 51,027,076</b>	<b>\$ 65,607,566</b>	<b>\$ 14,580,490</b>	<b>28.6%</b>
6	Wholesale Total	\$ 9,174,402	\$ 12,029,144	\$ 2,854,742	31.1%
7	Fire Protection Total	\$ 5,877,239	\$ 7,270,374	\$ 1,393,135	23.7%
8	<b>Utility Total</b>	<b>\$ 66,078,717</b>	<b>\$ 84,907,084</b>	<b>\$ 18,828,367</b>	<b>28.5%</b>

Source:

Milwaukee Water Works, Schedule 12, page 1 of 2.